SWP Water Quality Summary

October 8 to 16, 2008

Electrical Conductivity: Concentrations decreased at Banks Pumping Plant (BPP), Check 29, Barker Slough and Vallecitos, but increased at Devil Canyon, from October 8 to 16, 2008. Concentrations ranged from 287 µS/cm to 617 µS/cm, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). Daily average concentrations varied at all the locations. As of October 16, 2008, the lowest and highest concentrations of 287 µS/cm and 584 µS/cm occurred at Barker Slough and Vallecitos, respectively. Concentrations at BPP decreased from 616 µS/cm to 542 µS/cm, this week.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.09 mg/L to 0.33 mg/L. As of October 16, Barker Slough had the lowest concentration of 0.09 mg/L, followed by Check 29 with 0.11 mg/L while the highest concentration of 0.30 mg/L occurred at Vallecitos. Concentrations at BPP decreased slightly from 0.33 mg/L to 0.27 mg/L as of October 16, 2008.

Turbidity: Turbidity levels increased at BPP, Check 29 and Vallecitos, but decreased at Devil Canyon. Turbidity levels ranged from 0.8 NTU to 46 NTU as of October 16, 2008. The lowest level of 0.8 NTU occurred at Check 29 while the highest level of 46 NTU occurred at Barker Slough on October 16, 2008. BPP mean daily turbidity levels increased slightly from 4 NTU to 5 NTU as of October 16, 2008.

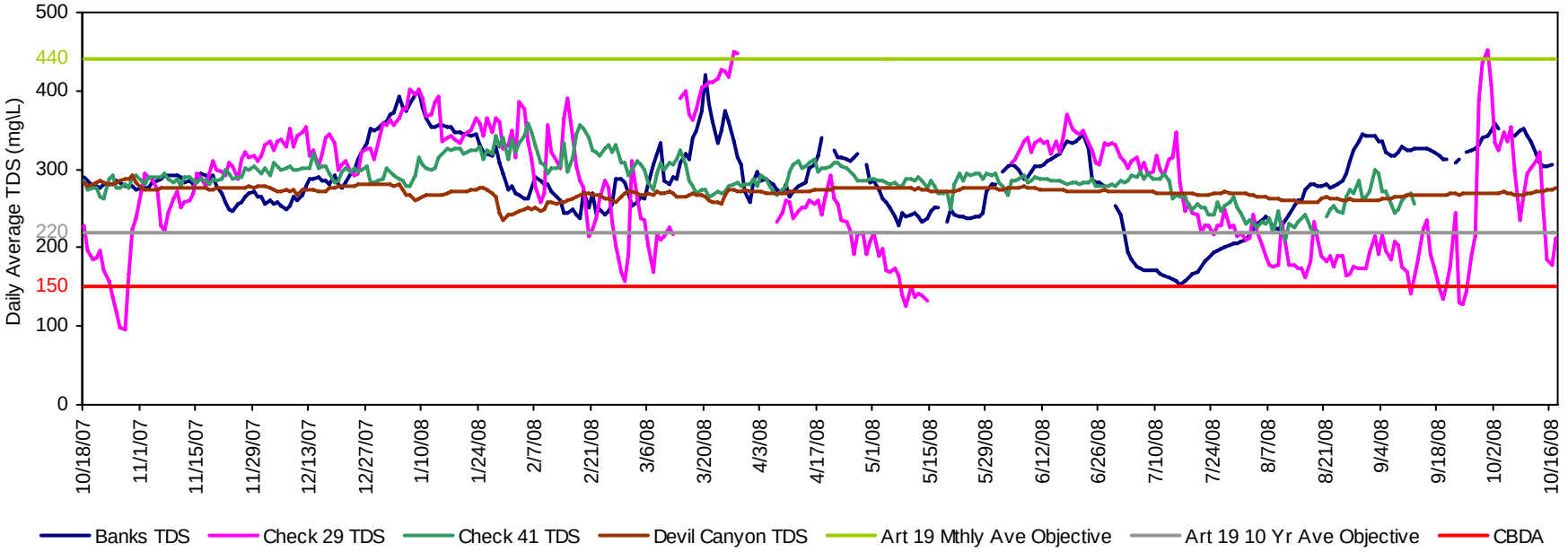
Dissolved Organic Carbon (DOC): Concentrations increased at BPP from 2.6 mg/L to 3.1 mg/L and at Edmonston from 1.5 mg/L to 1.9 mg/L, but decreased at Check 13 from 2.5 mg/L to 2.0 mg/L, as of October 16, 2008.

Taste and Odor Compounds: MIB and geosmin remain low project-wide, ranging from non-detect to 7 ng/L at Clifton Court, BPP and Del Valle Check 7 as of October 14, 2008.

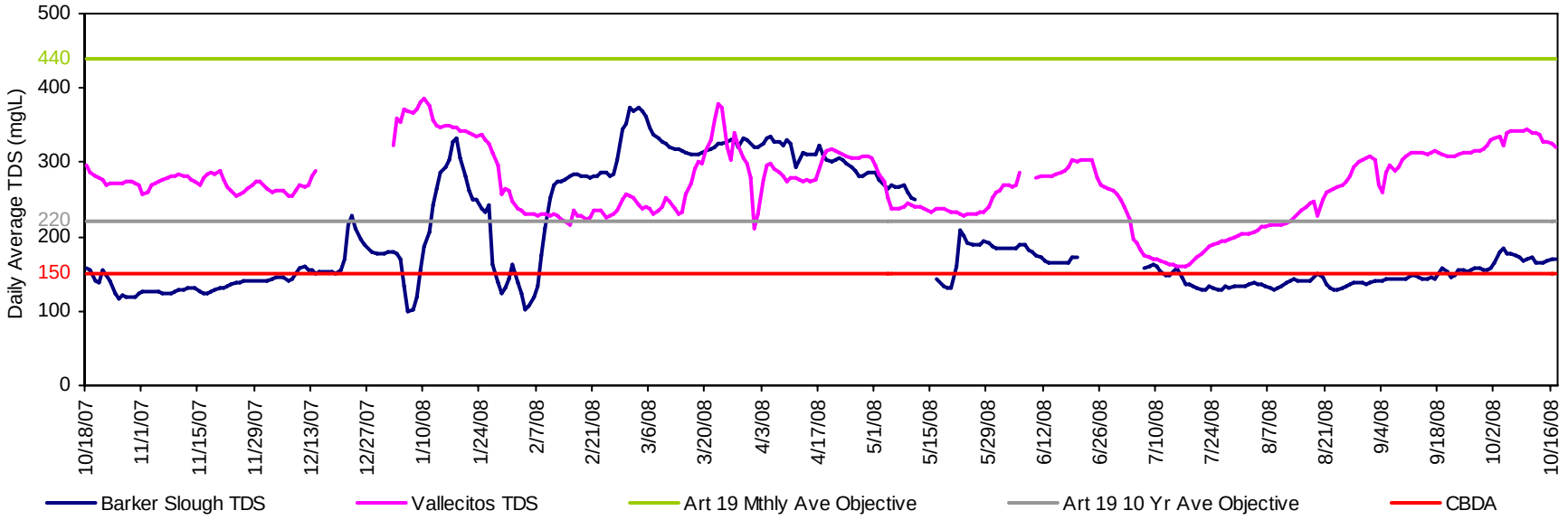
- There is no data for Check 41 because work is in progress to fix the malfunctioning instruments.

Note:
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: http://wwwomwq.water.ca.gov and click the "Autostation Data" link on the left side navigation bar.

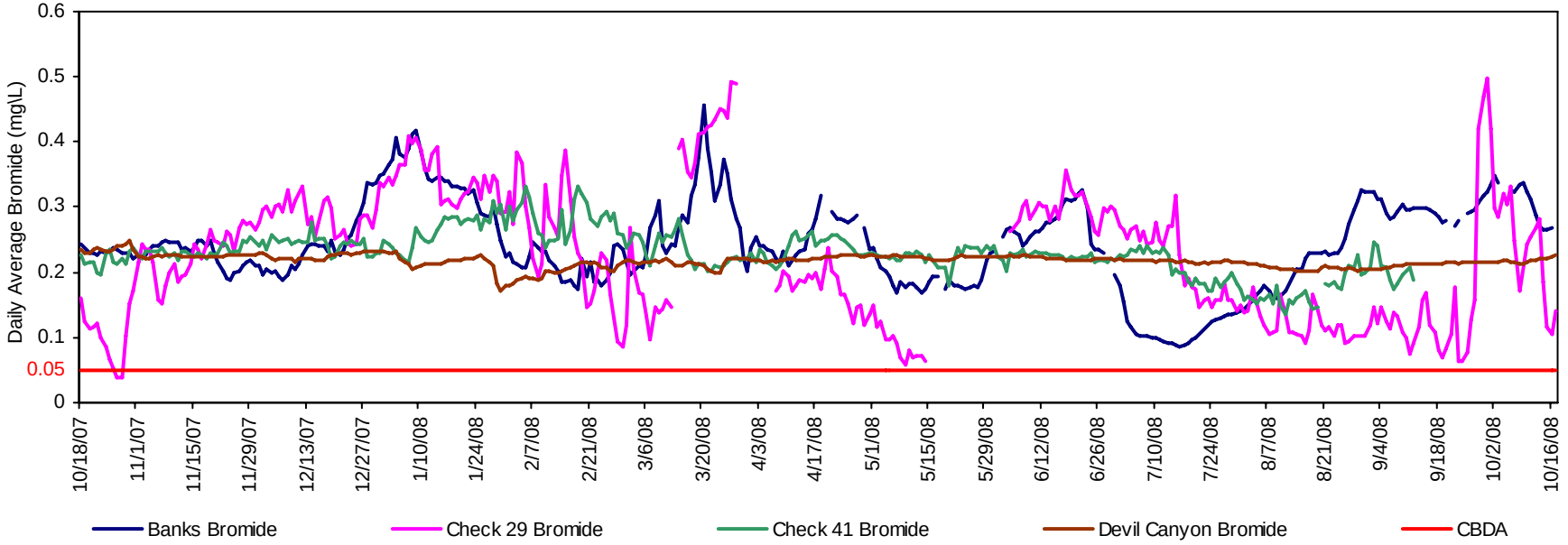
California Aqueduct - Calculated Total Dissolved Solids



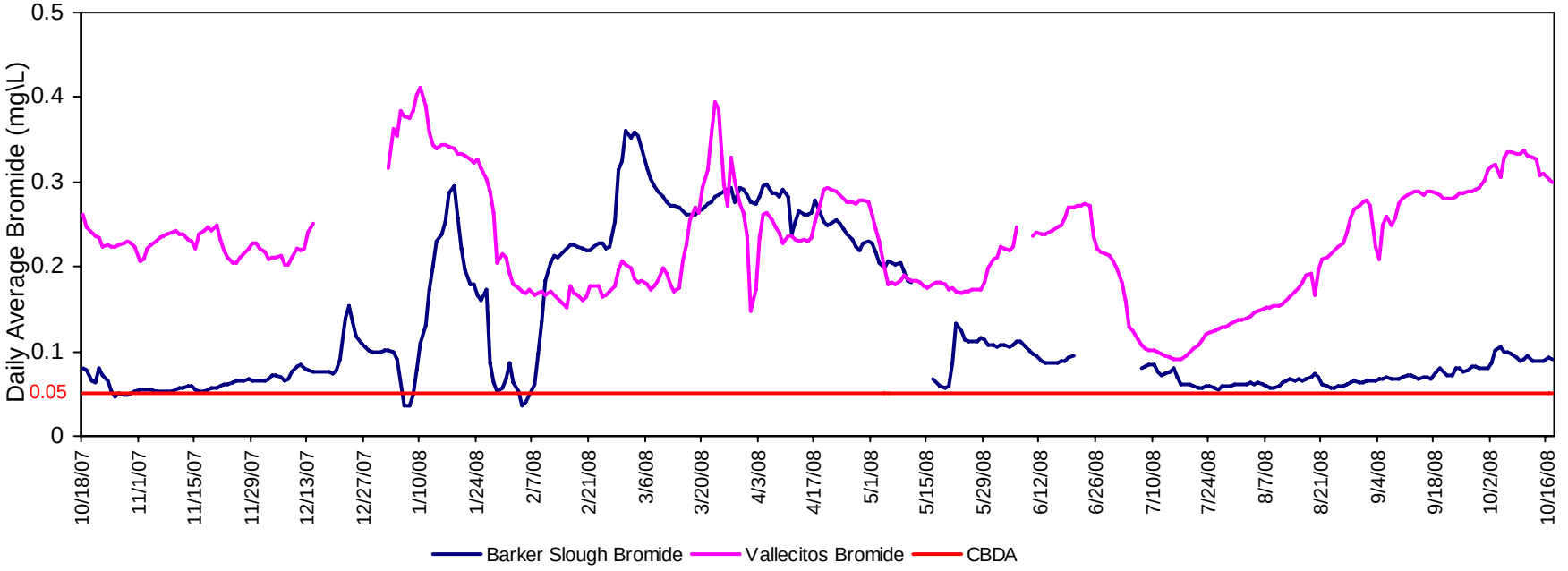
North and South Bay Aqueduct - Calculated Total Dissolved Solids



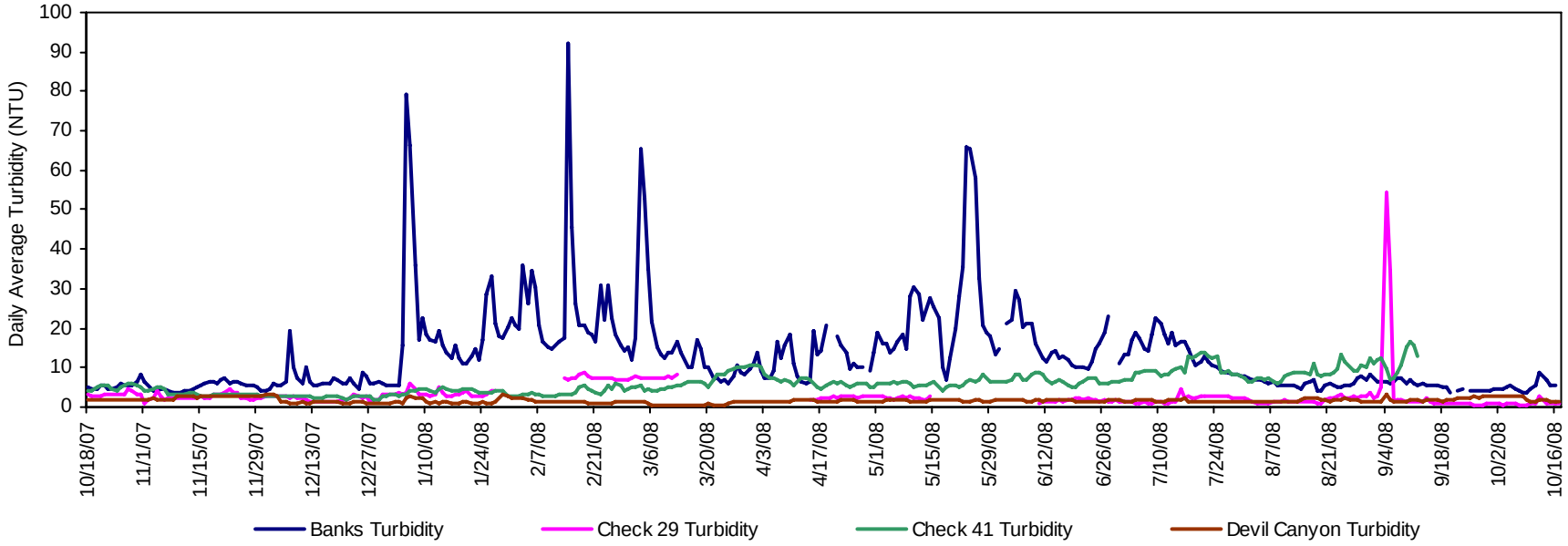
California Aqueduct - Calculated Bromide



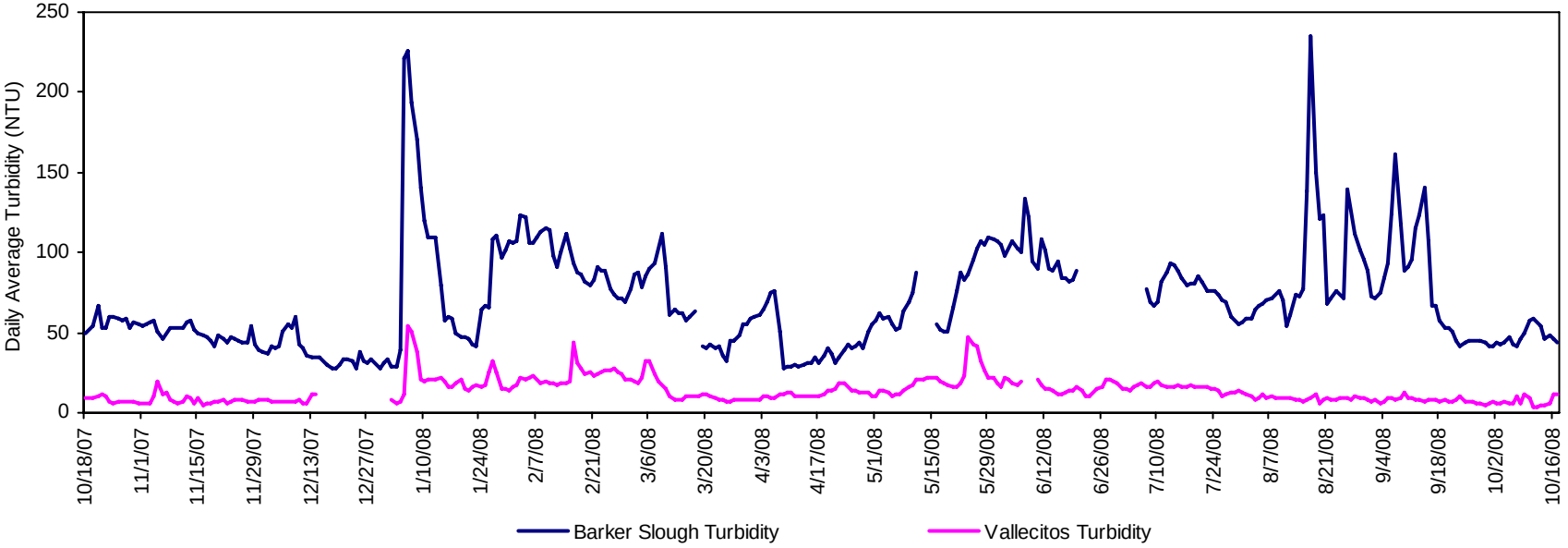
North and South Bay Aqueduct - Calculated Bromide

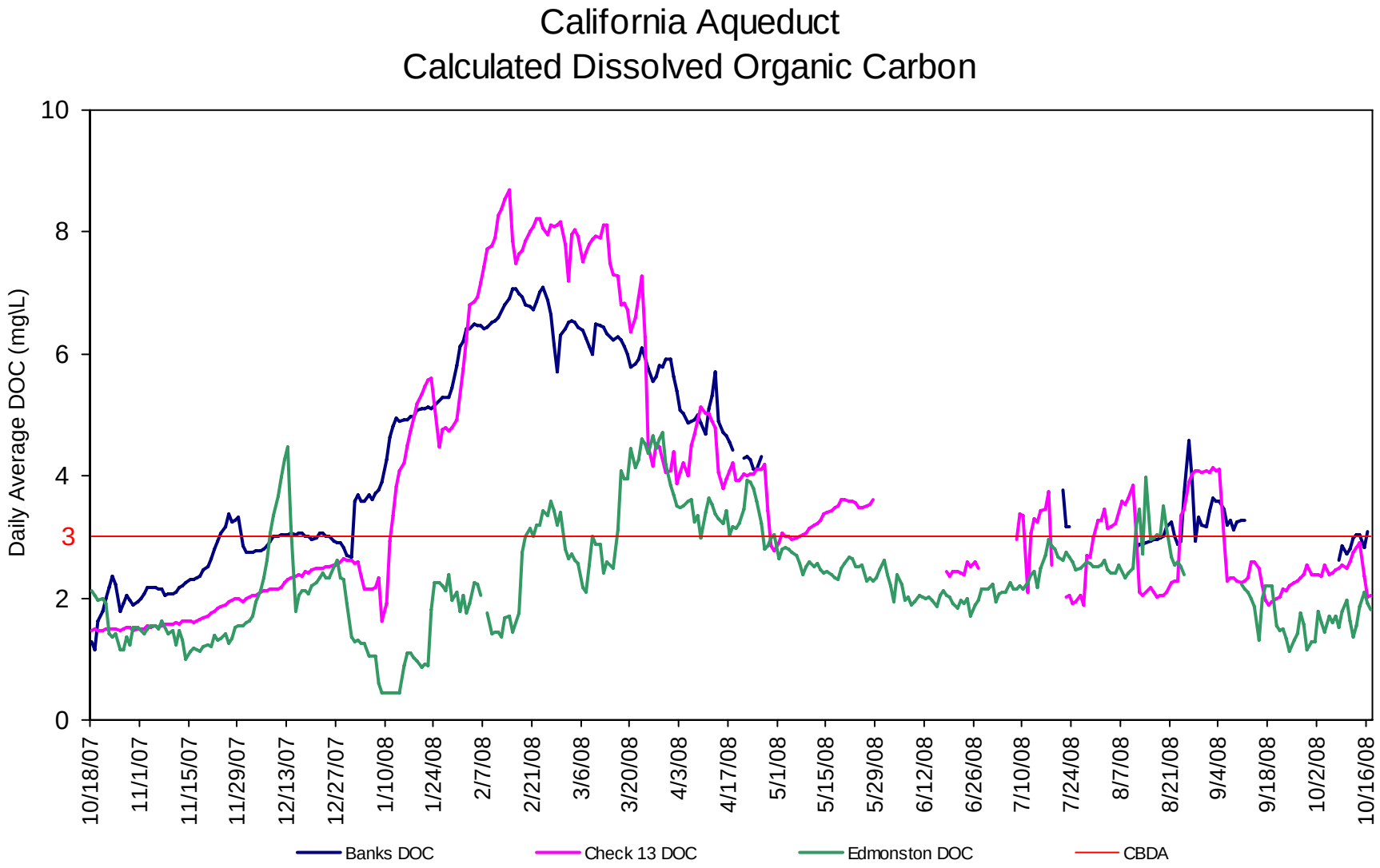


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
10
8
6
4
3
2
0
10/18/07
11/1/07
11/15/07
11/29/07
12/13/07
12/27/07
1/10/08
1/24/08
2/7/08
2/21/08
3/6/08
3/20/08
4/3/08
4/17/08
5/1/08
5/15/08
5/29/08
6/12/08
6/26/08
7/10/08
7/24/08
8/7/08
8/21/08
9/4/08
9/18/08
10/2/08
10/16/08
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA